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TITLE: SECURE ELECTRONIC TRADE TRANSACTION ON PUBLIC NETWORK

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ABSTRACT:

PROBLEM TO BE SOLVED: To deal with the problem of authentication during movement and to provide a technology for protecting the integrity of URL which is used for accessing private information on a network.

SOLUTION: An electronic message is generated by ciphering a first component by a first cryptographic key in association with a first network entity and performing ciphering so that the ciphered first component can be decoded only by the first network entity. The first cryptographic key can be a symmetrical cryptographic key known only by a first network or the open asymmetrical cryptographic key of a pair of private asymmetrical key/open asymmetrical key. The private asymmetrical key is known only by the first network entity. A second component different from the first component is ciphered by a second cryptographic key in association with a second network entity and the ciphered second component can be decoded by the first network entity.

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